

WHAT IS CLAIMED IS:

1. A connecting structure of a conductive connecting tab of a battery, said conductive connecting tab mounted on a battery element and connected to inner wall surface of a battery case or to inner surface of a battery housing, a plurality of bumps for projection welding of said conductive connecting tab being positioned face-to-face to inner wall surface of the battery case or to the surface of the battery housing, and projection welding is performed to connect the tab.

2. A connecting structure of a conductive connecting tab according to claim 1, wherein said conductive connecting tab is made of nickel or nickel alloy or aluminum or aluminum alloy.

3. A connecting structure of a conductive connecting tab according to claim 1, wherein a portion where the conductive connecting tab is connected to a battery case or to a battery housing made of nickel-plated soft steel, stainless steel, aluminum or alloy of these metals.

4. A sealed battery, comprising a conductive connecting tab mounted on a battery element, a plurality of bumps for projection welding are formed on the conductive connecting tab, said bumps for projection welding being positioned face-to-face to inner wall surface of a battery case or to inner wall of a battery housing, and projection welding is performed to connect the tab.

5. A method for forming a connecting structure of a

conductive connecting tab of a battery, the conductive
connecting tab being mounted on a battery element, said
method comprising the steps of forming a plurality of bumps
for projection welding on the conductive connecting tab,
5 positioning said bumps face-to-face to inner wall surface
of the battery case or to inner surface of the battery
housing, and supplying welding current under the condition
that a pair of electrodes are pressed on welding points,
said pair of electrodes having contact areas larger than
10 areas of portions where said plurality of bumps are
positioned.

6. A method for manufacturing a sealed battery,
said method comprising the steps of forming a plurality of
bumps for projection welding on a connective connecting tab,
15 said conductive connecting tab being mounted on a battery
element and connected to inner surface of a battery housing,
positioning said bumps face-to-face to inner wall surface
of the battery case or to inner surface of the battery
housing, supplying welding current under the condition that
20 a pair of electrodes are pressed on welding points, said
pair of electrodes having contact areas larger than areas
of portions where said plurality of bumps are positioned,
and performing projection welding to form the connection.